

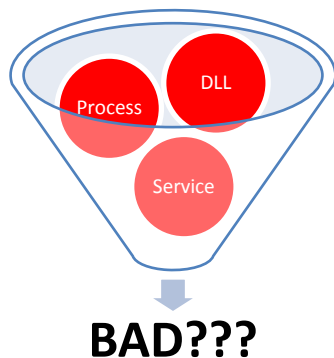
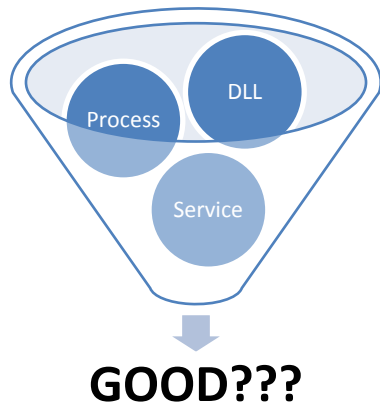
# **Volatile and Memory Analysis in a Network Environment**

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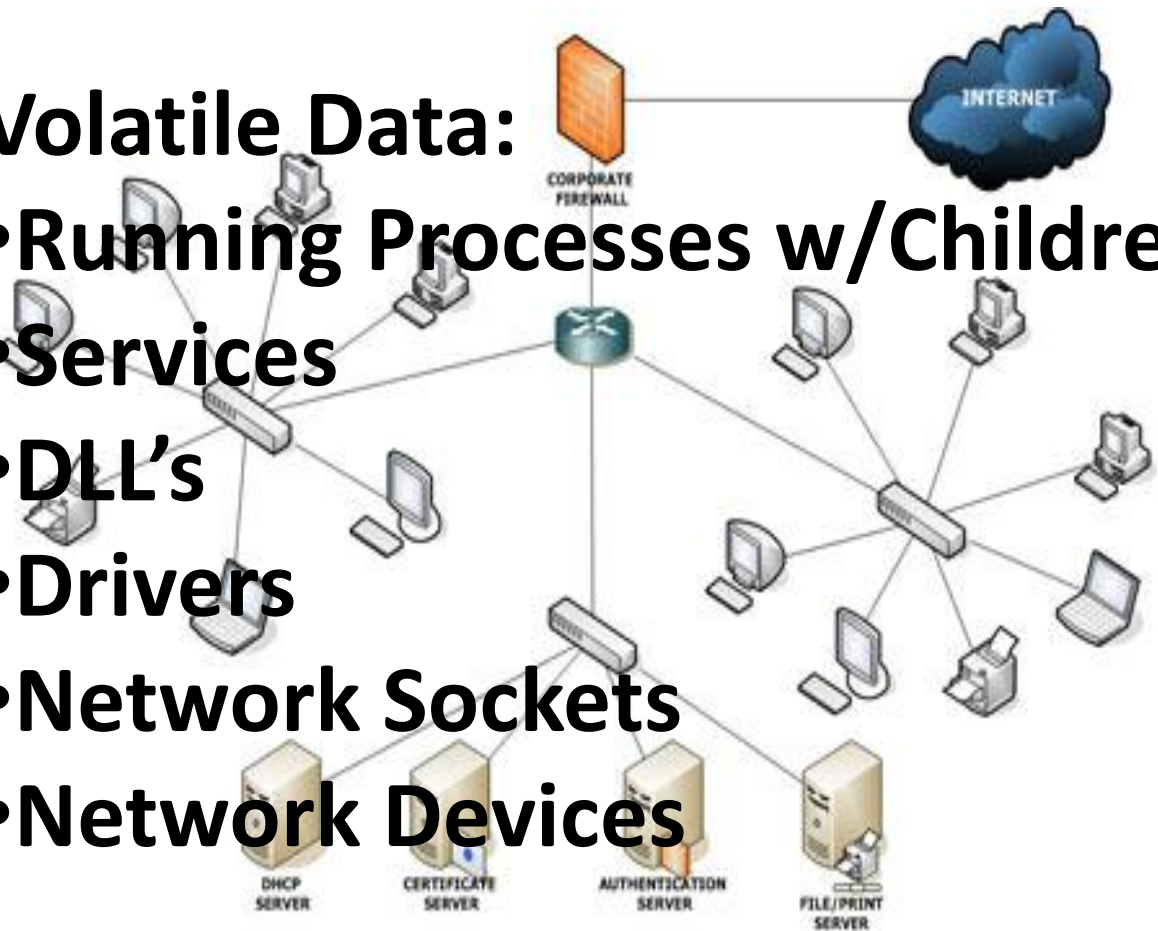
[cmellen@accessdata.com](mailto:cmellen@accessdata.com)

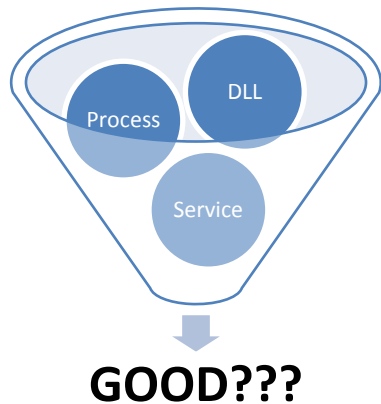
# What is a Clean Network?



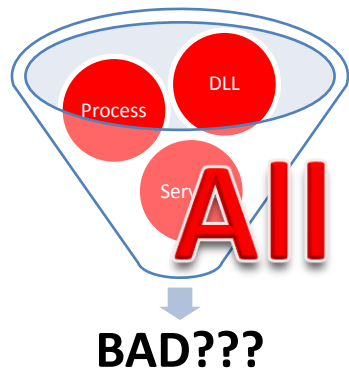
## **Volatile Data:**

- **Running Processes w/Children**
- **Services**
- **DLL's**
- **Drivers**
- **Network Sockets**
- **Network Devices**





What is Good?

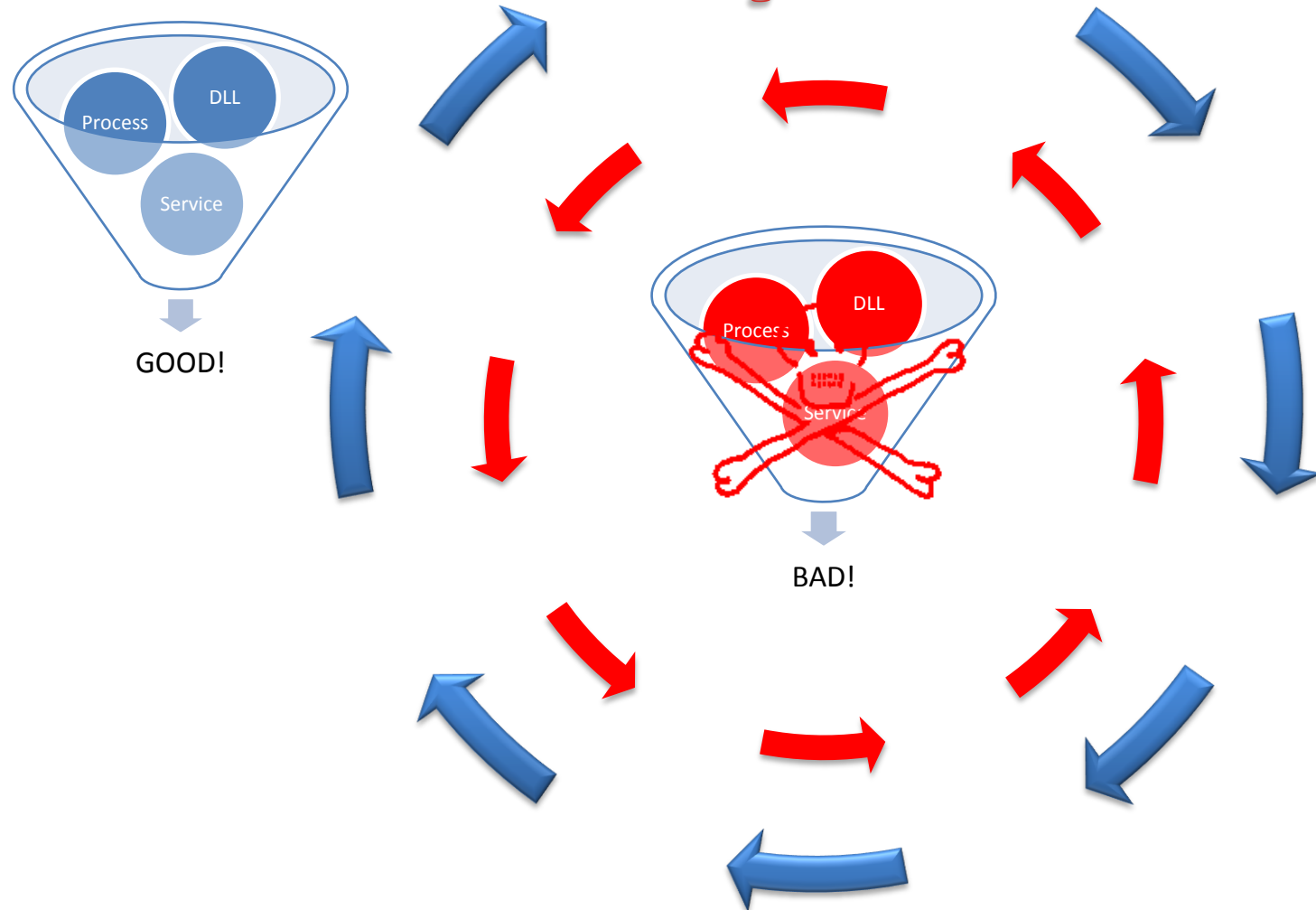


In God We Trust,

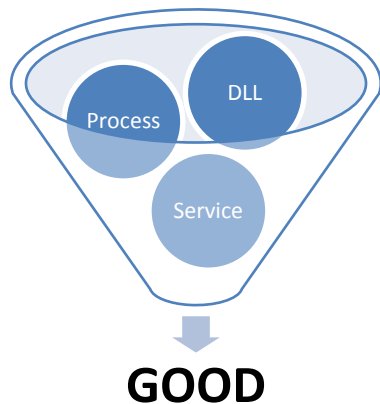
What is Bad?  
All Else? We Investigate

UNKNOWN = BAD

# How Much “Unknown” is Inside your Network?



# Building a Profile



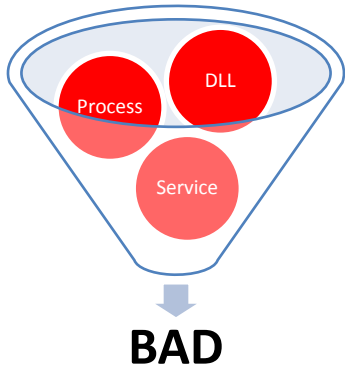
- Obtain Base-Line Builds
- “Best Effort”

- Build Base-Line Profile (Good)

- Known Hash Sets (Good)

- “Enterprise Profile”

# Building a Profile

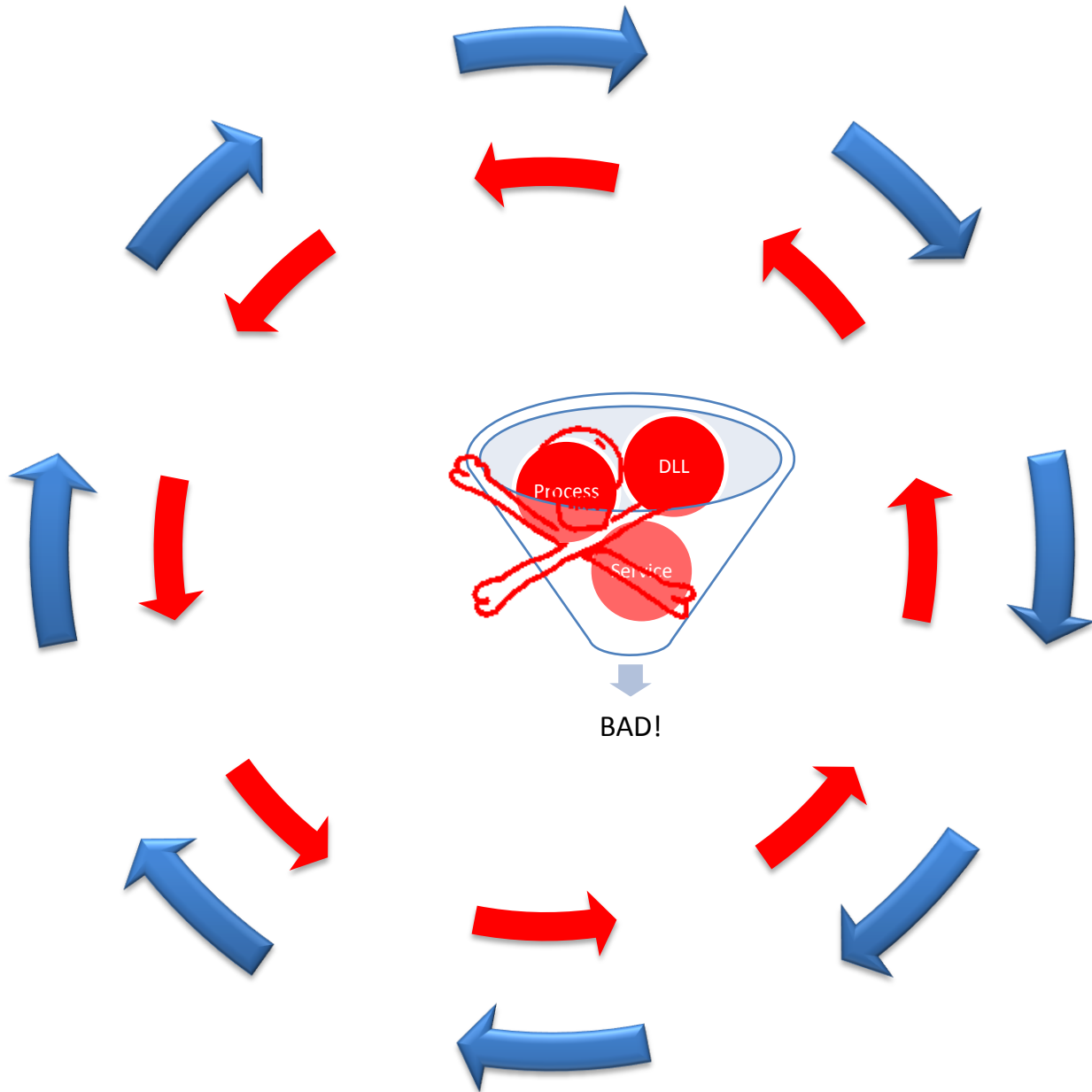


- Known Hash Set (Bad)

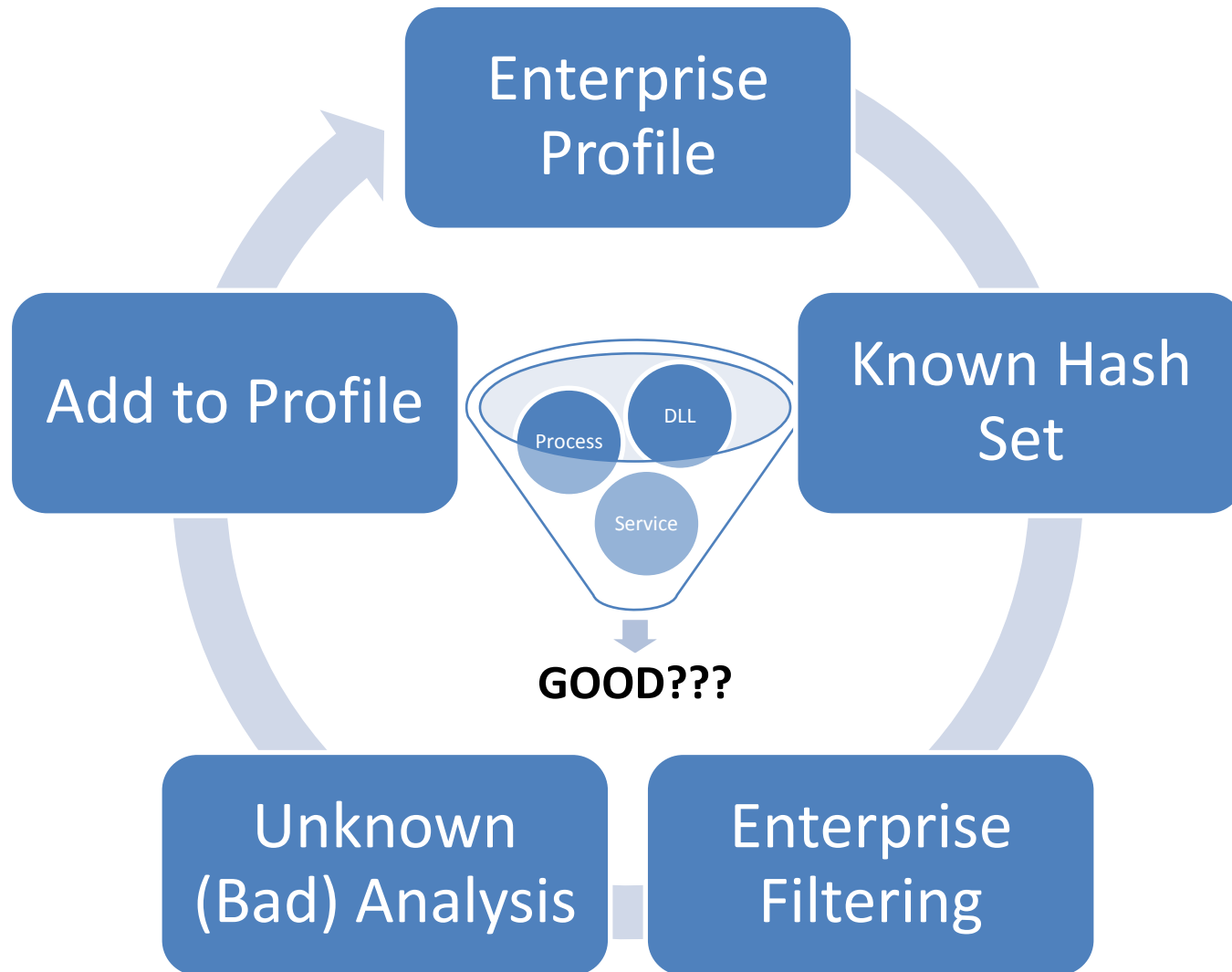
- Custom Hash Set (Bad)

- Build Profile

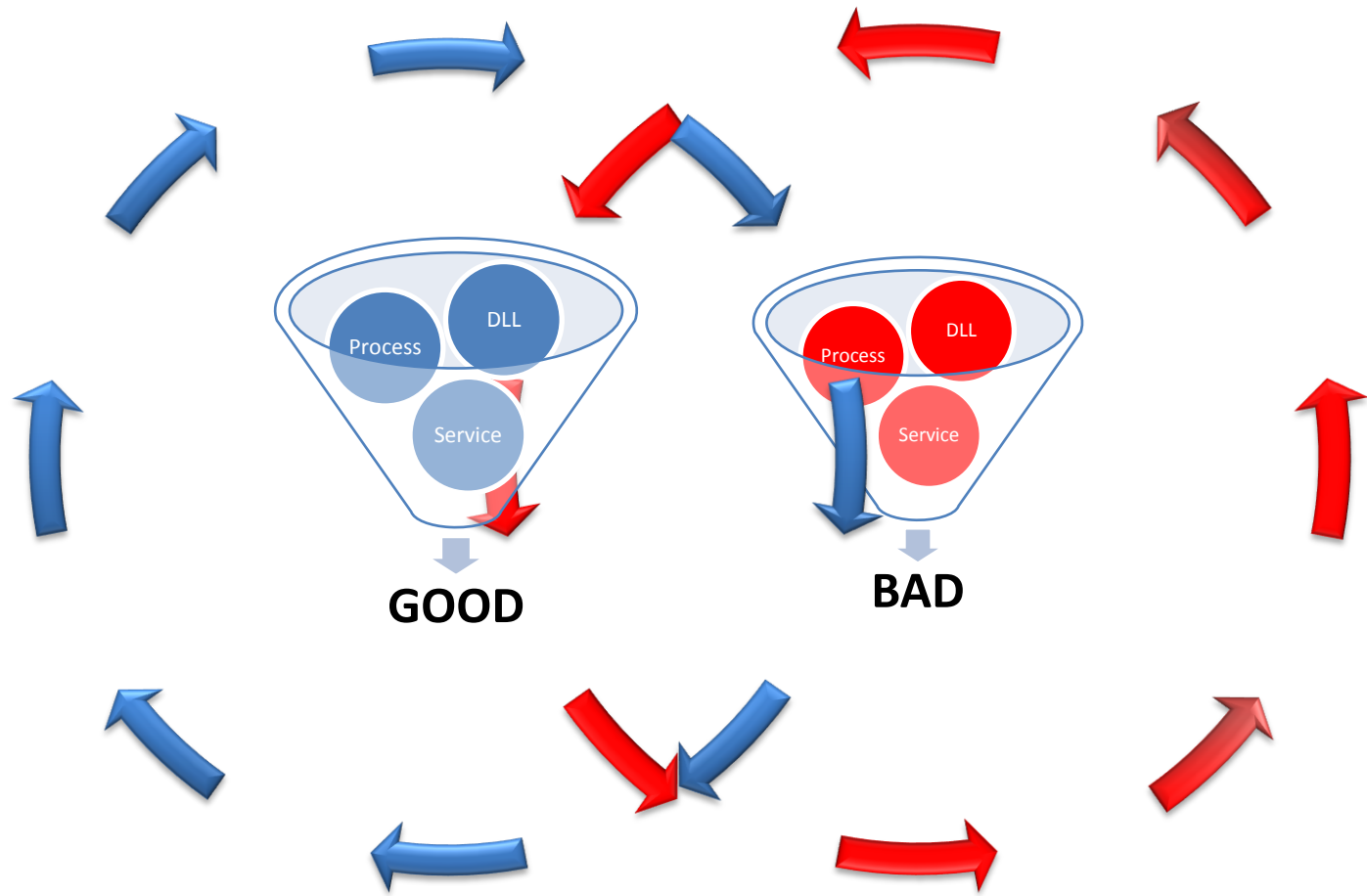
- What's the Problem???



# The Process







# Live Demonstration

# Conclusion

# Questions?